



ANTERO RESOURCES CORPORATION



Location: Tyler County, WV
 Field: Tyler
 Facility: Roma Lou Pad

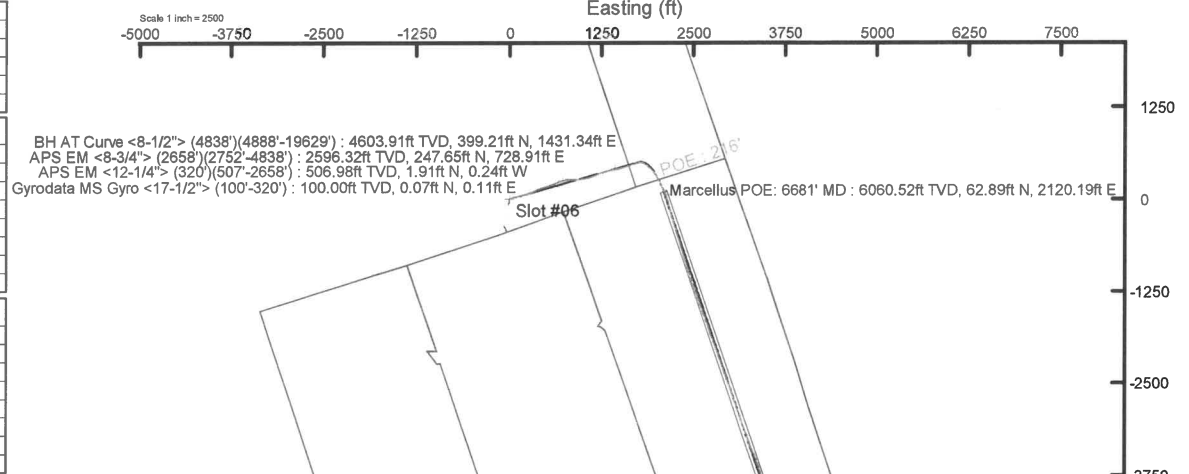
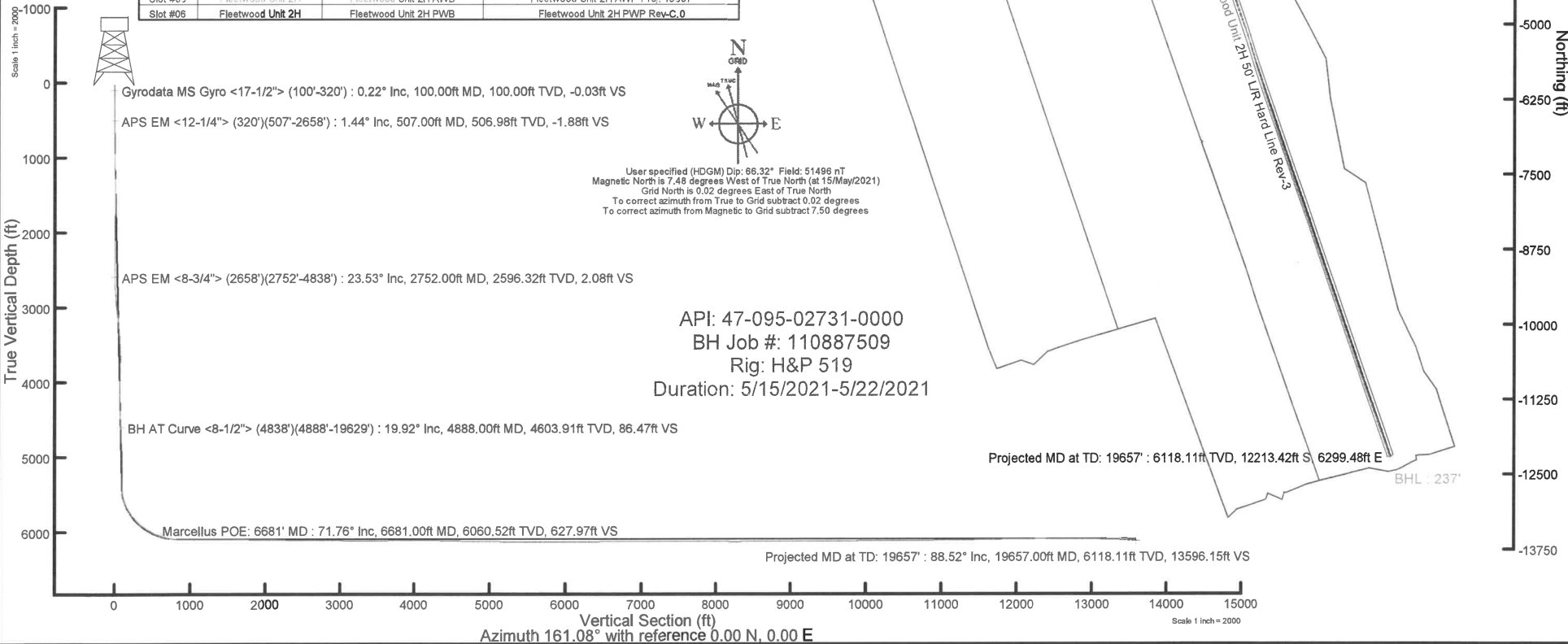
Slot: Slot #06
 Well: Fleetwood Unit 2H
 Wellbore: Fleetwood Unit 2H PWB

Plot reference wellpath is Fleetwood Unit 2H PWP Rev-C.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 519 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 519 (RKB)	Scale: True distance
H&P 519 (RKB) to Mean Sea Level: 913 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot #06): -883 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: odsanyar on 2021-06-09; Database: WA_MPL_EASTERNUS_Defn

Location Information				
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Roma Lou Pad	1647741.529	14338818.190	39°29'8.9000"N	80°58'26.5400"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Slot #06	73.56	15.42	1647756.940	14338891.720
Comment: Fleetwood Unit 2H			H&P 519 (RKB) to Ground level (At Slot: Slot #06): 30ft	
Mean Sea Level to Ground level (At Slot: Slot #06)			-883ft	
H&P 519 (RKB) to Mean Sea Level			913ft	

Well Profile Data								
Design Comment	MD (ft)	Inc (")	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	30.00	0.000	74.158	30.00	0.00	0.00	0.00	0.00
KOP 1	474.50	0.000	74.158	474.50	0.00	0.00	0.00	0.00
End of Build	1200.95	21.793	74.158	1183.56	37.26	131.32	3.00	7.33
Curve KOP	5754.59	21.793	74.158	5411.75	498.77	1757.70	0.00	98.10
POE	6642.69	70.761	161.082	6055.00	93.92	2096.83	8.00	591.05
Landing Pt.	6883.19	90.000	161.082	6095.00	-129.33	2173.35	8.00	827.05
BHL	19639.00	90.000	161.082	6095.00	-12196.13	6308.95	0.00	13562.86

Well Data			
Slot	Well	Wellbore	Wellpath
Slot #05	Fleetwood Unit 2H	Fleetwood Unit 2H AWB	Fleetwood Unit 2H AWP Proj: 19657'
Slot #06	Fleetwood Unit 2H	Fleetwood Unit 2H PWB	Fleetwood Unit 2H PWP Rev-C.0



Gyrodata MS Gyro <17-1/2"> (100'-320') : 0.22° Inc, 100.00ft MD, 100.00ft TVD, -0.03ft VS
 APS EM <12-1/4"> (320')(507'-2658') : 1.44° Inc, 507.00ft MD, 506.98ft TVD, -1.88ft VS
 APS EM <8-3/4"> (2658')(2752'-4838') : 23.53° Inc, 2752.00ft MD, 2596.32ft TVD, 2.08ft VS
 BH AT Curve <8-1/2"> (4838')(4888'-19629') : 19.92° Inc, 4888.00ft MD, 4603.91ft TVD, 86.47ft VS
 Marcellus POE: 6681' MD : 71.76° Inc, 6681.00ft MD, 6060.52ft TVD, 627.97ft VS
 Projected MD at TD: 19657' : 6118.11ft TVD, 12213.42ft S, 6299.48ft E
 BHL : 237'
 Projected MD at TD: 19657' : 88.52° Inc, 19657.00ft MD, 6118.11ft TVD, 13596.15ft VS
 API: 47-095-02731-0000
 BH Job #: 110887509
 Rig: H&P 519
 Duration: 5/15/2021-5/22/2021



Actual Wellpath Report

Fleetwood Unit 2H AWP Proj: 19657'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Fleetwood Unit 2H
Field	Tyler	API	47-095-02731-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 2H AWB
Slot	Slot #06		

REPORT SETUP INFORMATION			
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999600	Report Generated	09/Jun/2021 at 18:38
Convergence at slot	0.02° East	Database	WA_MPL_EASTERNUS_Defn

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	73.56	15.42	1647756.94	14338891.72	39°29'9.6270"N	80°58'26.3431"W
Facility Reference Pt			1647741.53	14338818.19	39°29'8.9000"N	80°58'26.5400"W
Field Reference Pt			0.00	0.00	0°00'0.0000"	85°29'19.3013"W

WELLPATH DATUM			
Calculation method	Minimum curvature	H&P 519 (RKB) to Facility Vertical Datum	913.00ft
Horizontal Reference Pt	Slot	H&P 519 (RKB) to Mean Sea Level	913.00ft
Vertical Reference Pt	H&P 519 (RKB)	H&P 519 (RKB) to Ground Level at Slot (Slot #06)	30.00ft
MD Reference Pt	H&P 519 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	161.08°



Actual Wellpath Report

Fleetwood Unit 2H AWP Proj: 19657'
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Field	Tyler	API	47-095-02731-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 2H AWB
Slot	Slot #06		

WELLPATH DATA (215 stations) † = interpolated, ‡ = extrapolated station																
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
0.00	0.00	56.790	0.00	0.00	0.00	0.00	1647756.94	14338891.72	39°29'9.6270"N	80°58'26.3431"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.000	56.790	30.00	0.00	0.00	0.00	1647756.94	14338891.72	39°29'9.6270"N	80°58'26.3431"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.220	56.790	100.00	-0.03	0.07	0.11	1647757.05	14338891.79	39°29'9.6277"N	80°58'26.3417"W	0.13	56.790	0.31	0.31	0.00	Gyrodata MS Gyro <17-1/2"> (100'-320')
200.00	0.130	37.760	200.00	-0.14	0.27	0.34	1647757.28	14338891.99	39°29'9.6296"N	80°58'26.3387"W	0.44	51.914	0.11	-0.09	-19.03	
300.00	0.800	266.440	300.00	-0.39	0.31	-0.28	1647756.66	14338892.03	39°29'9.6301"N	80°58'26.3467"W	0.42	317.867	0.89	0.67	-131.32	
320.00	0.860	270.850	319.99	-0.48	0.31	-0.57	1647756.37	14338892.03	39°29'9.6300"N	80°58'26.3504"W	0.65	298.236	0.44	0.30	22.05	
507.00	1.440	47.780	506.98	-1.88	1.91	-0.24	1647756.70	14338893.63	39°29'9.6458"N	80°58'26.3461"W	1.92	352.912	1.15	0.31	73.22	APS EM <12-1/4"> (320')(507'-2658')
688.00	5.340	73.140	687.63	-2.48	5.88	9.51	1647766.45	14338897.60	39°29'9.6851"N	80°58'26.2218"W	11.18	58.271	2.26	2.15	14.01	
779.00	7.580	74.130	778.05	-2.01	8.75	19.34	1647776.27	14338900.47	39°29'9.7134"N	80°58'26.0964"W	21.23	65.653	2.46	2.46	1.09	
868.00	10.800	75.390	865.89	-1.07	12.46	33.06	1647789.98	14338904.18	39°29'9.7500"N	80°58'25.9214"W	35.33	69.347	3.62	3.62	1.42	
958.00	14.110	75.920	953.76	0.49	17.26	51.86	1647808.78	14338908.97	39°29'9.7974"N	80°58'25.6816"W	54.66	71.595	3.68	3.68	0.59	
1049.00	16.400	74.490	1041.55	2.19	23.39	75.00	1647831.91	14338915.10	39°29'9.8580"N	80°58'25.3864"W	78.57	72.678	2.55	2.52	-1.57	
1143.00	18.940	74.060	1131.11	3.77	31.13	102.46	1647859.36	14338922.84	39°29'9.9344"N	80°58'25.0361"W	107.09	73.100	2.71	2.70	-0.46	
1238.00	22.040	74.840	1220.09	5.75	40.03	134.50	1647891.39	14338931.73	39°29'10.0222"N	80°58'24.6275"W	140.33	73.426	3.28	3.26	0.82	
1333.00	23.710	75.040	1307.61	8.23	49.62	170.16	1647927.03	14338941.32	39°29'10.1169"N	80°58'24.1727"W	177.25	73.742	1.76	1.76	0.21	
1427.00	23.750	73.670	1393.67	10.39	59.82	206.58	1647963.44	14338951.52	39°29'10.2176"N	80°58'23.7081"W	215.07	73.850	0.59	0.04	-1.46	
1522.00	24.040	72.360	1480.53	11.69	71.07	243.38	1648000.23	14338962.76	39°29'10.3286"N	80°58'23.2387"W	253.55	73.723	0.64	0.31	-1.38	
1616.00	23.900	70.690	1566.42	11.99	83.16	279.60	1648036.43	14338974.85	39°29'10.4481"N	80°58'22.7767"W	291.71	73.435	0.74	-0.15	-1.78	
1711.00	22.830	67.570	1653.63	10.73	96.56	314.80	1648071.61	14338988.24	39°29'10.5804"N	80°58'22.3277"W	329.28	72.947	1.72	-1.13	-3.28	
1806.00	23.370	66.110	1741.01	7.97	111.22	349.06	1648105.86	14339002.90	39°29'10.7252"N	80°58'21.8906"W	366.36	72.326	0.83	0.57	-1.54	
1900.00	24.020	67.050	1827.09	5.01	126.23	383.73	1648140.51	14339017.90	39°29'10.8735"N	80°58'21.4485"W	403.96	71.790	0.80	0.69	1.00	
1995.00	25.100	70.470	1913.50	3.44	140.51	420.53	1648177.30	14339032.17	39°29'11.0145"N	80°58'20.9791"W	443.38	71.524	1.88	1.14	3.60	
2090.00	25.420	73.130	1999.42	3.95	153.16	459.03	1648215.78	14339044.82	39°29'11.1394"N	80°58'20.4880"W	483.91	71.548	1.24	0.34	2.80	
2185.00	25.900	73.420	2085.05	5.53	165.00	498.43	1648255.17	14339056.66	39°29'11.2563"N	80°58'19.9854"W	525.03	71.683	0.52	0.51	0.31	
2279.00	26.480	70.780	2169.40	6.26	177.76	537.89	1648294.62	14339069.41	39°29'11.3822"N	80°58'19.4820"W	566.50	71.713	1.38	0.62	-2.81	
2468.00	26.360	68.610	2338.66	4.23	206.93	616.75	1648373.44	14339098.57	39°29'11.6704"N	80°58'18.4761"W	650.54	71.452	0.51	-0.06	-1.15	
2563.00	25.680	68.740	2424.03	2.48	222.09	655.57	1648412.25	14339113.72	39°29'11.8200"N	80°58'17.9809"W	692.17	71.285	0.72	-0.72	0.14	
2658.00	23.930	71.580	2510.27	1.80	235.64	693.04	1648449.70	14339127.27	39°29'11.9539"N	80°58'17.5030"W	732.01	71.221	2.23	-1.84	2.99	
2752.00	23.530	71.410	2596.32	2.08	247.65	728.91	1648485.56	14339139.27	39°29'12.0724"N	80°58'17.0454"W	769.83	71.235	0.43	-0.43	-0.18	APS EM <8-3/4"> (2658')(2752'-4838')
2847.00	20.500	75.450	2684.39	3.46	257.88	763.00	1648519.63	14339149.49	39°29'12.1734"N	80°58'16.6106"W	805.40	71.326	3.56	-3.19	4.25	



Actual Wellpath Report

Fleetwood Unit 2H AWP Proj: 19657'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Fleetwood Unit 2H
Field	Tyler	API	47-095-02731-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 2H AWB
Slot	Slot #06		

WELLPATH DATA (215 stations)																
MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]	
2942.00	18.130	86.490	2774.07	8.65	262.96	793.87	1648550.49	14339154.58	39°29'12.2236"N	80°58'16.2169"W	836.29	71.673	4.57	-2.49	11.62	
3039.00	17.250	83.140	2866.48	15.67	265.60	823.21	1648579.82	14339157.22	39°29'12.2496"N	80°58'15.8426"W	865.00	72.118	1.39	-0.91	-3.45	
3134.00	18.060	89.800	2957.02	23.34	267.34	851.92	1648608.52	14339158.95	39°29'12.2666"N	80°58'15.4764"W	892.89	72.578	2.29	0.85	7.01	
3228.00	20.070	95.180	3045.86	34.60	265.93	882.56	1648639.15	14339157.55	39°29'12.2526"N	80°58'15.0856"W	921.76	73.231	2.84	2.14	5.72	
3323.00	20.280	90.980	3135.04	46.86	264.18	915.26	1648671.83	14339155.79	39°29'12.2352"N	80°58'14.6686"W	952.62	73.900	1.54	0.22	-4.42	
3418.00	18.300	85.550	3224.71	56.20	265.06	946.60	1648703.16	14339156.67	39°29'12.2437"N	80°58'14.2689"W	983.01	74.357	2.81	-2.08	-5.72	
3512.00	17.150	81.650	3314.25	62.43	268.21	975.02	1648731.57	14339159.83	39°29'12.2749"N	80°58'13.9063"W	1011.24	74.619	1.76	-1.22	-4.15	
3607.00	18.860	83.000	3404.59	68.17	272.12	1004.13	1648760.66	14339163.73	39°29'12.3134"N	80°58'13.5352"W	1040.34	74.837	1.85	1.80	1.42	
3702.00	21.880	80.590	3493.64	74.27	276.89	1036.84	1648793.36	14339168.49	39°29'12.3604"N	80°58'13.1179"W	1073.17	75.048	3.30	3.18	-2.54	
3796.00	21.480	76.750	3581.00	78.86	283.69	1070.87	1648827.38	14339175.30	39°29'12.4276"N	80°58'12.6838"W	1107.81	75.162	1.57	-0.43	-4.09	
3891.00	19.120	71.140	3670.10	80.60	292.71	1102.53	1648859.03	14339184.31	39°29'12.5166"N	80°58'12.2800"W	1140.73	75.131	3.22	-2.48	-5.91	
3986.00	21.380	69.610	3759.22	80.17	303.78	1133.49	1648889.97	14339195.37	39°29'12.6258"N	80°58'11.8851"W	1173.49	74.997	2.44	2.38	-1.61	
4081.00	20.450	67.560	3847.96	78.70	316.15	1165.06	1648921.53	14339207.74	39°29'12.7480"N	80°58'11.4823"W	1207.19	74.818	1.25	-0.98	-2.16	
4175.00	17.540	63.250	3936.84	75.77	328.79	1192.90	1648949.36	14339220.38	39°29'12.8729"N	80°58'11.1273"W	1237.38	74.590	3.43	-3.10	-4.59	
4270.00	16.820	61.440	4027.60	71.51	341.81	1217.75	1648974.20	14339233.39	39°29'13.0014"N	80°58'10.8102"W	1264.81	74.321	0.94	-0.76	-1.91	
4365.00	17.890	68.340	4118.28	68.51	353.77	1243.39	1648999.83	14339245.34	39°29'13.1195"N	80°58'10.4832"W	1292.74	74.118	2.44	1.13	7.26	
4459.00	20.570	71.950	4207.03	68.07	364.21	1272.51	1649028.94	14339255.79	39°29'13.2227"N	80°58'10.1116"W	1323.61	74.028	3.12	2.85	3.84	
4554.00	22.400	75.280	4295.43	69.65	373.98	1305.89	1649062.31	14339265.55	39°29'13.3192"N	80°58'9.6859"W	1358.39	74.019	2.31	1.93	3.51	
4649.00	22.620	80.280	4383.20	73.90	381.67	1341.41	1649097.81	14339273.24	39°29'13.3950"N	80°58'9.2328"W	1394.65	74.117	2.03	0.23	5.26	
4744.00	23.200	79.240	4470.71	79.48	388.25	1377.80	1649134.19	14339279.81	39°29'13.4599"N	80°58'8.7687"W	1431.46	74.263	0.74	0.61	-1.09	
4838.00	22.560	78.740	4557.31	84.51	395.23	1413.68	1649170.05	14339286.79	39°29'13.5287"N	80°58'8.3111"W	1467.88	74.380	0.71	-0.68	-0.53	
4888.00	19.920	75.640	4603.91	86.47	399.21	1431.34	1649187.70	14339290.77	39°29'13.5681"N	80°58'8.0858"W	1485.97	74.416	5.74	-5.28	-6.20	BH AT Curve <8-1/2"> (4838')(4888'-19629')
4949.00	16.990	74.070	4661.77	87.76	404.24	1449.98	1649206.34	14339295.79	39°29'13.6176"N	80°58'7.8480"W	1505.27	74.422	4.87	-4.80	-2.57	
5044.00	19.130	78.920	4752.09	90.60	411.04	1478.61	1649234.95	14339302.59	39°29'13.6848"N	80°58'7.4828"W	1534.68	74.465	2.75	2.25	5.11	
5139.00	24.580	81.050	4840.23	96.15	417.11	1513.43	1649269.76	14339308.66	39°29'13.7446"N	80°58'7.0387"W	1569.85	74.592	5.80	5.74	2.24	
5233.00	24.650	74.320	4925.71	100.65	425.45	1551.62	1649307.94	14339317.00	39°29'13.8270"N	80°58'6.5515"W	1608.89	74.667	2.98	0.07	-7.16	
5328.00	24.650	71.200	5012.05	101.81	437.19	1589.45	1649345.75	14339328.73	39°29'13.9428"N	80°58'6.0690"W	1648.48	74.621	1.37	0.00	-3.28	
5423.00	24.120	71.810	5098.58	102.10	449.63	1626.65	1649382.93	14339341.17	39°29'14.0657"N	80°58'5.5945"W	1687.64	74.548	0.62	-0.56	0.64	
5518.00	23.310	71.440	5185.55	102.46	461.67	1662.90	1649419.18	14339353.21	39°29'14.1846"N	80°58'5.1320"W	1725.80	74.484	0.87	-0.85	-0.39	
5612.00	22.460	71.420	5272.15	102.69	473.32	1697.56	1649453.81	14339364.85	39°29'14.2995"N	80°58'4.6900"W	1762.31	74.420	0.90	-0.90	-0.02	



Actual Wellpath Report

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Field	Tyler	API	47-095-02731-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 2H AWB
Slot	Slot #06		

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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS ["/100ft]	Build Rate ["/100ft]	Turn Rate ["/100ft]	Comments
5707.00	23.620	71.040	5359.57	102.78	485.28	1732.76	1649489.00	14339376.81	39°29'14.4177"N	80°58'4.2410"W	1799.43	74.354	1.23	1.22	-0.40	
5802.00	22.470	80.140	5447.02	105.63	494.58	1768.66	1649524.89	14339386.10	39°29'14.5094"N	80°58'3.7831"W	1836.51	74.377	3.94	-1.21	9.58	
5896.00	22.410	101.980	5534.05	117.68	493.93	1803.94	1649560.16	14339385.45	39°29'14.5029"N	80°58'3.3330"W	1870.34	74.687	8.82	-0.06	23.23	
5991.00	27.370	123.120	5620.37	144.26	478.20	1840.04	1649596.24	14339369.73	39°29'14.3473"N	80°58'2.8727"W	1901.16	75.432	10.65	5.22	22.25	
6086.00	32.080	132.720	5702.90	183.73	449.12	1876.91	1649633.09	14339340.66	39°29'14.0598"N	80°58'2.4026"W	1929.89	76.543	7.04	4.96	10.11	
6180.00	39.040	133.160	5779.32	231.91	411.89	1916.89	1649673.06	14339303.45	39°29'13.6917"N	80°58'1.8928"W	1960.64	77.873	7.41	7.40	0.47	
6275.00	45.210	141.210	5849.80	290.15	365.07	1959.90	1649716.06	14339256.64	39°29'13.2288"N	80°58'1.3444"W	1993.62	79.448	8.62	6.49	8.47	
6279.00†	45.446	141.641	5852.61	292.83	362.85	1961.68	1649717.83	14339254.42	39°29'13.2068"N	80°58'1.3218"W	1994.95	79.521	9.68	5.91	10.79	Sycamore: 6279' MD
6370.00	51.210	150.580	5913.16	358.40	306.42	1999.29	1649755.43	14339198.02	39°29'12.6490"N	80°58'0.8423"W	2022.64	81.286	9.68	6.33	9.82	
6438.00†	56.054	151.956	5953.47	412.34	258.41	2025.59	1649781.71	14339150.03	39°29'12.1744"N	80°58'0.5071"W	2042.01	82.730	7.31	7.12	2.02	Middlesex: 6438' MD
6464.00	57.910	152.440	5967.63	433.88	239.13	2035.76	1649791.88	14339130.75	39°29'11.9838"N	80°58'0.3776"W	2049.75	83.300	7.31	7.14	1.86	
6511.00	60.580	153.040	5991.67	473.84	203.23	2054.25	1649810.37	14339094.87	39°29'11.6289"N	80°58'0.1418"W	2064.28	84.350	5.79	5.68	1.28	
6559.00	63.270	153.310	6014.25	515.78	165.44	2073.36	1649829.47	14339057.09	39°29'11.2553"N	80°57'59.8983"W	2079.95	85.438	5.63	5.60	0.56	
6606.00	66.920	154.440	6034.04	558.07	127.17	2092.12	1649848.22	14339018.84	39°29'10.8770"N	80°57'59.6592"W	2095.98	86.522	8.07	7.77	2.40	
6609.00†	67.110	154.597	6035.22	560.81	124.67	2093.31	1649849.41	14339016.34	39°29'10.8523"N	80°57'59.6440"W	2097.02	86.592	7.96	6.34	5.23	Burkett: 6609' MD
6654.00	69.980	156.900	6051.68	602.51	86.49	2110.50	1649866.59	14338978.18	39°29'10.4749"N	80°57'59.4249"W	2112.27	87.653	7.96	6.38	5.12	
6681.00†	71.764	158.470	6060.52	627.97	62.89	2120.19	1649876.27	14338954.59	39°29'10.2417"N	80°57'59.3016"W	2121.12	88.301	8.59	6.61	5.81	Marcellus POE: 6681' MD
6749.00	76.310	162.290	6079.23	693.31	1.33	2142.10	1649898.18	14338893.05	39°29'9.6331"N	80°57'59.0223"W	2142.10	89.964	8.59	6.68	5.62	
6843.00	84.050	166.350	6095.25	785.69	-87.77	2167.08	1649923.14	14338803.99	39°29'8.7524"N	80°57'58.7042"W	2168.85	92.319	9.27	8.23	4.32	
6938.00	90.340	166.120	6099.90	880.15	-179.88	2189.64	1649945.70	14338711.91	39°29'7.8420"N	80°57'58.4169"W	2197.02	94.696	6.63	6.62	-0.24	
7033.00	89.630	162.910	6099.92	974.97	-271.42	2215.00	1649971.05	14338620.41	39°29'6.9372"N	80°57'58.0938"W	2231.57	96.986	3.46	-0.75	-3.38	
7127.00	89.570	162.650	6100.58	1068.92	-361.20	2242.83	1649998.87	14338530.66	39°29'6.0497"N	80°57'57.7394"W	2271.73	99.149	0.28	-0.06	-0.28	
7222.00	91.020	162.990	6100.09	1163.87	-451.96	2270.89	1650026.92	14338439.94	39°29'5.1526"N	80°57'57.3819"W	2315.43	101.256	1.57	1.53	0.36	
7317.00	89.320	162.470	6099.81	1258.83	-542.67	2299.09	1650055.11	14338349.26	39°29'4.2559"N	80°57'57.0227"W	2362.27	103.281	1.87	-1.79	-0.55	
7412.00	89.230	162.620	6101.01	1353.79	-633.29	2327.58	1650083.59	14338258.68	39°29'3.3602"N	80°57'56.6597"W	2412.20	105.221	0.18	-0.09	0.16	
7507.00	89.230	162.620	6102.29	1448.75	-723.95	2355.96	1650111.95	14338168.06	39°29'2.4641"N	80°57'56.2983"W	2464.68	107.081	0.00	0.00	0.00	
7601.00	90.650	163.000	6102.39	1542.70	-813.75	2383.74	1650139.72	14338078.30	39°29'1.5765"N	80°57'55.9444"W	2518.81	108.849	1.56	1.51	0.40	
7696.00	88.770	162.260	6102.87	1637.66	-904.41	2412.10	1650168.07	14337987.68	39°29'0.6804"N	80°57'55.5832"W	2576.08	110.553	2.13	-1.98	-0.78	
7791.00	89.260	162.200	6104.50	1732.63	-994.86	2441.09	1650197.05	14337897.26	39°28'59.7862"N	80°57'55.2139"W	2636.03	112.173	0.52	0.52	-0.06	
7886.00	89.350	161.620	6105.65	1827.61	-1085.16	2470.58	1650226.53	14337807.00	39°28'58.8937"N	80°57'54.8381"W	2698.40	113.713	0.62	0.09	-0.61	



Actual Wellpath Report

Fleetwood Unit 2H AWP Proj: 19657'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Fleetwood Unit 2H
Field	Tyler	API	47-095-02731-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 2H AWB
Slot	Slot #06		

WELLPATH DATA (215 stations)																
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
7981.00	89.570	159.930	6106.55	1922.60	-1174.85	2501.86	1650257.80	14337717.34	39°28'58.0071"N	80°57'54.4397"W	2763.98	115.154	1.79	0.23	-1.78	
8075.00	89.320	159.950	6107.46	2016.58	-1263.15	2534.10	1650290.03	14337629.08	39°28'57.1343"N	80°57'54.0289"W	2831.47	116.494	0.27	-0.27	0.02	
8170.00	88.710	159.930	6109.09	2111.55	-1352.37	2566.68	1650322.59	14337539.89	39°28'56.2524"N	80°57'53.6138"W	2901.17	117.784	0.64	-0.64	-0.02	
8265.00	89.290	160.790	6110.75	2206.52	-1441.83	2598.61	1650354.50	14337450.47	39°28'55.3681"N	80°57'53.2071"W	2971.81	119.024	1.09	0.61	0.91	
8360.00	89.350	159.850	6111.88	2301.51	-1531.27	2630.60	1650386.48	14337361.06	39°28'54.4840"N	80°57'52.7996"W	3043.82	120.204	0.99	0.06	-0.99	
8454.00	90.550	159.820	6111.96	2395.48	-1619.51	2663.00	1650418.87	14337272.86	39°28'53.6118"N	80°57'52.3868"W	3116.79	121.306	1.28	1.28	-0.03	
8549.00	88.620	160.330	6112.65	2490.46	-1708.81	2695.38	1650451.23	14337183.59	39°28'52.7290"N	80°57'51.9744"W	3191.41	122.374	2.10	-2.03	0.54	
8644.00	90.770	161.650	6113.15	2585.45	-1798.63	2726.32	1650482.16	14337093.82	39°28'51.8412"N	80°57'51.5802"W	3266.17	123.414	2.66	2.26	1.39	
8739.00	89.110	159.230	6113.25	2680.43	-1888.13	2758.12	1650513.95	14337004.35	39°28'50.9565"N	80°57'51.1751"W	3342.49	124.394	3.09	-1.75	-2.55	
8833.00	89.510	160.400	6114.38	2774.40	-1976.35	2790.55	1650546.37	14336916.16	39°28'50.0844"N	80°57'50.7619"W	3419.52	125.307	1.32	0.43	1.24	
8928.00	88.950	160.350	6115.66	2869.39	-2065.82	2822.45	1650578.26	14336826.73	39°28'49.2000"N	80°57'50.3555"W	3497.70	126.201	0.59	-0.59	-0.05	
9023.00	88.920	159.380	6117.43	2964.35	-2155.00	2855.15	1650610.94	14336737.58	39°28'48.3185"N	80°57'49.9390"W	3577.14	127.045	1.02	-0.03	-1.02	
9118.00	89.660	160.680	6118.60	3059.32	-2244.28	2887.59	1650643.37	14336648.34	39°28'47.4360"N	80°57'49.5257"W	3657.18	127.855	1.57	0.78	1.37	
9213.00	89.380	160.540	6119.40	3154.32	-2333.89	2919.13	1650674.90	14336558.77	39°28'46.5503"N	80°57'49.1240"W	3737.43	128.643	0.33	-0.29	-0.15	
9307.00	89.940	159.890	6119.96	3248.30	-2422.34	2950.95	1650706.70	14336470.36	39°28'45.6760"N	80°57'48.7186"W	3817.83	129.381	0.91	0.60	-0.69	
9402.00	90.060	158.350	6119.96	3343.24	-2511.10	2984.81	1650740.55	14336381.63	39°28'44.7986"N	80°57'48.2873"W	3900.60	130.074	1.63	0.13	-1.62	
9497.00	89.420	160.040	6120.39	3438.19	-2599.90	3018.55	1650774.27	14336292.87	39°28'43.9208"N	80°57'47.8575"W	3983.85	130.739	1.90	-0.67	1.78	
9591.00	90.000	161.510	6120.86	3532.18	-2688.65	3049.50	1650805.21	14336204.15	39°28'43.0435"N	80°57'47.4632"W	4065.50	131.402	1.68	0.62	1.56	
9686.00	92.430	162.020	6118.85	3627.15	-2778.85	3079.22	1650834.92	14336113.98	39°28'42.1519"N	80°57'47.0847"W	4147.72	132.065	2.61	2.56	0.54	
9780.00	92.120	159.470	6115.12	3721.06	-2867.52	3110.19	1650865.88	14336025.36	39°28'41.2754"N	80°57'46.6902"W	4230.36	132.675	2.73	-0.33	-2.71	
9875.00	89.380	160.540	6113.87	3816.03	-2956.77	3142.67	1650898.34	14335936.13	39°28'40.3931"N	80°57'46.2765"W	4314.96	133.254	3.10	-2.88	1.13	
9969.00	89.170	160.230	6115.06	3910.01	-3045.31	3174.22	1650929.88	14335847.63	39°28'39.5180"N	80°57'45.8746"W	4398.82	133.813	0.40	-0.22	-0.33	
10064.00	88.830	159.920	6116.72	4004.98	-3134.61	3206.59	1650962.24	14335758.37	39°28'38.6352"N	80°57'45.4622"W	4484.19	134.350	0.48	-0.36	-0.33	
10159.00	89.600	160.320	6118.02	4099.96	-3223.94	3238.89	1650994.53	14335669.08	39°28'37.7522"N	80°57'45.0508"W	4569.92	134.867	0.91	0.81	0.42	
10254.00	93.110	160.780	6115.78	4194.91	-3313.48	3270.51	1651026.14	14335579.57	39°28'36.8672"N	80°57'44.6480"W	4655.68	135.374	3.73	3.69	0.48	
10348.00	86.860	154.400	6115.80	4288.65	-3400.29	3306.31	1651061.92	14335492.79	39°28'36.0090"N	80°57'44.1920"W	4742.75	135.803	9.50	-6.65	-6.79	
10443.00	88.580	159.660	6119.58	4383.30	-3487.66	3343.34	1651098.93	14335405.46	39°28'35.1454"N	80°57'43.7202"W	4831.32	136.210	5.82	1.81	5.54	
10538.00	88.710	159.750	6121.83	4478.24	-3576.74	3376.28	1651131.86	14335316.42	39°28'34.2649"N	80°57'43.3006"W	4918.57	136.651	0.17	0.14	0.09	
10632.00	88.580	161.810	6124.05	4572.21	-3665.47	3407.21	1651162.78	14335227.73	39°28'33.3878"N	80°57'42.9066"W	5004.47	137.091	2.20	-0.14	2.19	
10727.00	88.580	162.130	6126.41	4667.17	-3755.77	3436.61	1651192.17	14335137.46	39°28'32.4951"N	80°57'42.5322"W	5090.79	137.541	0.34	0.00	0.34	



Actual Wellpath Report

Fleetwood Unit 2H AWP Proj: 19657'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Fleetwood Unit 2H
Field	Tyler	API	47-095-02731-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 2H AWB
Slot	Slot #06		

WELLPATH DATA (215 stations)																
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
10822.00	89.600	162.060	6127.92	4762.14	-3846.16	3465.81	1651221.36	14335047.11	39°28'31.6016"N	80°57'42.1603"W	5177.33	137.978	1.08	1.07	-0.07	
10916.00	89.480	161.890	6128.67	4856.13	-3935.54	3494.90	1651250.43	14334957.76	39°28'30.7181"N	80°57'41.7899"W	5263.35	138.394	0.22	-0.13	-0.18	
11011.00	89.420	161.440	6129.58	4951.12	-4025.72	3524.78	1651280.30	14334867.62	39°28'29.8268"N	80°57'41.4093"W	5350.74	138.796	0.48	-0.06	-0.47	
11106.00	89.480	161.890	6130.49	5046.11	-4115.89	3554.66	1651310.17	14334777.49	39°28'28.9354"N	80°57'41.0287"W	5438.40	139.185	0.48	0.06	0.47	
11200.00	89.020	160.860	6131.72	5140.10	-4204.96	3584.68	1651340.18	14334688.45	39°28'28.0550"N	80°57'40.6464"W	5525.54	139.553	1.20	-0.49	-1.10	
11295.00	90.000	162.270	6132.54	5235.09	-4295.08	3614.72	1651370.21	14334598.37	39°28'27.1642"N	80°57'40.2639"W	5613.72	139.916	1.81	1.03	1.48	
11390.00	89.540	162.330	6132.92	5330.06	-4385.58	3643.60	1651399.08	14334507.91	39°28'26.2696"N	80°57'39.8961"W	5701.68	140.280	0.49	-0.48	0.06	
11485.00	89.570	161.730	6133.66	5425.05	-4475.94	3672.91	1651428.37	14334417.58	39°28'25.3764"N	80°57'39.5228"W	5790.02	140.628	0.63	0.03	-0.63	
11579.00	89.420	161.970	6134.49	5519.04	-4565.26	3702.19	1651457.64	14334328.30	39°28'24.4935"N	80°57'39.1499"W	5877.74	140.960	0.30	-0.16	0.26	
11674.00	90.310	161.490	6134.71	5614.03	-4655.47	3731.97	1651487.41	14334238.12	39°28'23.6018"N	80°57'38.7707"W	5966.66	141.283	1.06	0.94	-0.51	
11769.00	89.690	162.310	6134.71	5709.02	-4745.77	3761.49	1651516.91	14334147.86	39°28'22.7092"N	80°57'38.3948"W	6055.67	141.600	1.08	-0.65	0.86	
11863.00	89.420	160.990	6135.44	5803.01	-4834.98	3791.08	1651546.49	14334058.68	39°28'21.8273"N	80°57'38.0180"W	6144.05	141.900	1.43	-0.29	-1.40	
11958.00	90.030	161.820	6135.89	5898.00	-4925.02	3821.37	1651576.77	14333968.68	39°28'20.9373"N	80°57'37.6322"W	6233.67	142.192	1.08	0.64	0.87	
12053.00	90.620	162.070	6135.36	5992.99	-5015.34	3850.81	1651606.21	14333878.40	39°28'20.0445"N	80°57'37.2572"W	6323.16	142.483	0.67	0.62	0.26	
12147.00	91.050	162.050	6133.99	6086.97	-5104.76	3879.76	1651635.14	14333789.01	39°28'19.1606"N	80°57'36.8886"W	6411.80	142.764	0.46	0.46	-0.02	
12242.00	90.680	161.500	6132.55	6181.95	-5194.98	3909.47	1651664.84	14333698.82	39°28'18.2688"N	80°57'36.5103"W	6501.68	143.037	0.70	-0.39	-0.58	
12337.00	90.090	162.240	6131.91	6276.94	-5285.26	3939.03	1651694.39	14333608.58	39°28'17.3764"N	80°57'36.1338"W	6591.66	143.303	1.00	-0.62	0.78	
12431.00	90.030	161.560	6131.82	6370.93	-5374.61	3968.24	1651723.58	14333519.27	39°28'16.4932"N	80°57'35.7619"W	6680.82	143.560	0.73	-0.06	-0.72	
12526.00	90.090	162.060	6131.72	6465.92	-5464.86	3997.89	1651753.23	14333429.05	39°28'15.6010"N	80°57'35.3843"W	6771.11	143.812	0.53	0.06	0.53	
12621.00	90.340	162.180	6131.36	6560.90	-5555.28	4027.06	1651782.38	14333338.68	39°28'14.7073"N	80°57'35.0129"W	6861.36	144.061	0.29	0.26	0.13	
12716.00	89.940	162.280	6131.13	6655.88	-5645.74	4056.05	1651811.36	14333248.25	39°28'13.8131"N	80°57'34.6437"W	6951.69	144.306	0.43	-0.42	0.11	
12810.00	90.060	161.740	6131.13	6749.87	-5735.15	4085.08	1651840.38	14333158.88	39°28'12.9293"N	80°57'34.2740"W	7041.29	144.538	0.59	0.13	-0.57	
12905.00	90.060	161.980	6131.03	6844.86	-5825.42	4114.66	1651869.95	14333068.64	39°28'12.0370"N	80°57'33.8974"W	7132.04	144.765	0.25	0.00	0.25	
12999.00	89.780	161.900	6131.16	6938.85	-5914.79	4143.80	1651899.08	14332979.30	39°28'11.1536"N	80°57'33.5263"W	7221.90	144.986	0.31	-0.30	-0.09	
13094.00	90.550	162.070	6130.89	7033.84	-6005.14	4173.18	1651928.45	14332889.00	39°28'10.2605"N	80°57'33.1522"W	7312.80	145.203	0.83	0.81	0.18	
13189.00	89.970	162.020	6130.45	7128.82	-6095.51	4202.47	1651957.72	14332798.66	39°28'9.3672"N	80°57'32.7793"W	7403.78	145.416	0.61	-0.61	-0.05	
13283.00	90.120	162.130	6130.38	7222.81	-6184.94	4231.40	1651986.64	14332709.26	39°28'8.4832"N	80°57'32.4109"W	7493.88	145.622	0.20	0.16	0.12	
13378.00	89.850	162.290	6130.41	7317.79	-6275.40	4260.42	1652015.65	14332618.84	39°28'7.5890"N	80°57'32.0414"W	7584.98	145.827	0.33	-0.28	0.17	
13473.00	89.720	161.740	6130.76	7412.77	-6365.76	4289.76	1652044.97	14332528.52	39°28'6.6958"N	80°57'31.6679"W	7676.26	146.025	0.59	-0.14	-0.58	
13567.00	89.880	161.170	6131.09	7506.77	-6454.88	4319.65	1652074.86	14332439.44	39°28'5.8149"N	80°57'31.2872"W	7766.91	146.209	0.63	0.17	-0.61	



Actual Wellpath Report

Fleetwood Unit 2H AWP Proj: 19657'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Fleetwood Unit 2H
Field	Tyler	API	47-095-02731-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 2H AWB
Slot	Slot #06		

WELLPATH DATA (215 stations)																
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
13662.00	89.940	162.320	6131.24	7601.76	-6545.09	4349.41	1652104.60	14332349.26	39°28'4.9231"N	80°57'30.9083"W	7858.47	146.395	1.21	0.06	1.21	
13757.00	90.340	162.300	6131.01	7696.74	-6635.60	4378.28	1652133.46	14332258.79	39°28'4.0285"N	80°57'30.5407"W	7949.88	146.583	0.42	0.42	-0.02	
13851.00	89.510	161.630	6131.13	7790.73	-6724.98	4407.38	1652162.55	14332169.44	39°28'3.1450"N	80°57'30.1702"W	8040.55	146.760	1.13	-0.88	-0.71	
13946.00	89.880	161.170	6131.64	7885.72	-6815.02	4437.68	1652192.84	14332079.44	39°28'2.2549"N	80°57'29.7843"W	8132.49	146.929	0.62	0.39	-0.48	
14040.00	90.430	162.530	6131.38	7979.71	-6904.34	4466.96	1652222.11	14331990.16	39°28'1.3720"N	80°57'29.4115"W	8223.36	147.098	1.56	0.59	1.45	
14135.00	89.750	159.880	6131.23	8074.70	-6994.26	4497.57	1652252.70	14331900.27	39°28'0.4831"N	80°57'29.0218"W	8315.52	147.258	2.88	-0.72	-2.79	
14230.00	89.720	161.210	6131.67	8169.70	-7083.84	4529.21	1652284.33	14331810.73	39°27'59.5977"N	80°57'28.6189"W	8408.00	147.406	1.40	-0.03	1.40	
14325.00	90.000	161.110	6131.90	8264.70	-7173.75	4559.88	1652314.99	14331720.86	39°27'58.7089"N	80°57'28.2283"W	8500.30	147.559	0.31	0.29	-0.11	
14419.00	90.400	161.090	6131.58	8358.70	-7262.68	4590.33	1652345.43	14331631.96	39°27'57.8298"N	80°57'27.8406"W	8591.72	147.705	0.43	0.43	-0.02	
14514.00	90.060	160.630	6131.19	8453.69	-7352.43	4621.48	1652376.56	14331542.25	39°27'56.9427"N	80°57'27.4440"W	8684.25	147.848	0.60	-0.36	-0.48	
14609.00	90.830	161.420	6130.46	8548.69	-7442.26	4652.37	1652407.44	14331452.45	39°27'56.0547"N	80°57'27.0507"W	8776.77	147.989	1.16	0.81	0.83	
14703.00	90.150	160.750	6129.65	8642.68	-7531.18	4682.84	1652437.90	14331363.57	39°27'55.1757"N	80°57'26.6627"W	8868.35	148.127	1.02	-0.72	-0.71	
14798.00	90.400	161.200	6129.20	8737.68	-7620.99	4713.81	1652468.85	14331273.80	39°27'54.2879"N	80°57'26.2684"W	8960.99	148.262	0.54	0.26	0.47	
14893.00	90.220	160.930	6128.68	8832.68	-7710.85	4744.63	1652499.67	14331183.97	39°27'53.3997"N	80°57'25.8759"W	9053.66	148.395	0.34	-0.19	-0.28	
14988.00	89.570	160.810	6128.86	8927.68	-7800.60	4775.76	1652530.79	14331094.26	39°27'52.5125"N	80°57'25.4795"W	9146.43	148.524	0.70	-0.68	-0.13	
15082.00	89.720	160.710	6129.44	9021.68	-7889.35	4806.74	1652561.75	14331005.54	39°27'51.6352"N	80°57'25.0851"W	9238.32	148.647	0.19	0.16	-0.11	
15177.00	90.030	160.910	6129.65	9116.68	-7979.07	4837.97	1652592.96	14330915.86	39°27'50.7483"N	80°57'24.6875"W	9331.21	148.770	0.39	0.33	0.21	
15272.00	90.620	161.210	6129.11	9211.67	-8068.92	4868.80	1652623.78	14330826.04	39°27'49.8601"N	80°57'24.2949"W	9424.05	148.893	0.70	0.62	0.32	
15367.00	90.550	161.400	6128.14	9306.67	-8158.91	4899.25	1652654.22	14330736.09	39°27'48.9706"N	80°57'23.9072"W	9516.85	149.016	0.21	-0.07	0.20	
15462.00	89.690	161.120	6127.94	9401.67	-8248.87	4929.77	1652684.73	14330646.17	39°27'48.0813"N	80°57'23.5186"W	9609.71	149.136	0.95	-0.91	-0.29	
15556.00	90.340	161.330	6127.91	9495.67	-8337.87	4960.02	1652714.97	14330557.21	39°27'47.2016"N	80°57'23.1334"W	9701.64	149.252	0.73	0.69	0.22	
15651.00	90.060	161.040	6127.58	9590.66	-8427.79	4990.66	1652745.60	14330467.32	39°27'46.3127"N	80°57'22.7433"W	9794.61	149.367	0.42	-0.29	-0.31	
15746.00	90.400	160.490	6127.20	9685.66	-8517.48	5021.96	1652776.88	14330377.66	39°27'45.4260"N	80°57'22.3449"W	9887.75	149.476	0.68	0.36	-0.58	
15840.00	90.740	161.240	6126.27	9779.66	-8606.29	5052.77	1652807.68	14330288.89	39°27'44.5482"N	80°57'21.9526"W	9979.91	149.583	0.88	0.36	0.80	
15935.00	90.490	159.620	6125.25	9874.64	-8695.79	5084.59	1652839.48	14330199.43	39°27'43.6635"N	80°57'21.5475"W	10073.22	149.684	1.73	-0.26	-1.71	
16030.00	90.740	161.240	6124.23	9969.63	-8785.29	5116.41	1652871.29	14330109.96	39°27'42.7787"N	80°57'21.1423"W	10166.56	149.784	1.73	0.26	1.71	
16124.00	90.280	161.340	6123.39	10063.62	-8874.32	5146.56	1652901.43	14330020.97	39°27'41.8986"N	80°57'20.7585"W	10258.69	149.889	0.50	-0.49	0.11	
16219.00	90.280	161.010	6122.93	10158.62	-8964.24	5177.21	1652932.07	14329931.08	39°27'41.0098"N	80°57'20.3682"W	10351.86	149.992	0.35	0.00	-0.35	
16314.00	90.280	161.390	6122.46	10253.62	-9054.17	5207.83	1652962.67	14329841.19	39°27'40.1208"N	80°57'19.9784"W	10445.07	150.093	0.40	0.00	0.40	
16409.00	90.120	160.600	6122.13	10348.62	-9143.99	5238.76	1652993.60	14329751.41	39°27'39.2329"N	80°57'19.5846"W	10538.37	150.191	0.85	-0.17	-0.83	



Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Fleetwood Unit 2H
Field	Tyler	API	47-095-02731-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 2H AWB
Slot	Slot #06		

WELLPATH DATA (215 stations)																
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
16503.00	90.550	160.810	6121.58	10442.61	-9232.71	5269.82	1653024.65	14329662.72	39°27'38.3560"N	80°57'19.1891"W	10630.80	150.283	0.51	0.46	0.22	
16598.00	90.370	161.160	6120.82	10537.61	-9322.52	5300.77	1653055.58	14329572.95	39°27'37.4681"N	80°57'18.7951"W	10724.16	150.377	0.41	-0.19	0.37	
16693.00	90.460	160.850	6120.13	10632.61	-9412.35	5331.69	1653086.49	14329483.16	39°27'36.5802"N	80°57'18.4014"W	10817.54	150.470	0.34	0.09	-0.33	
16788.00	90.460	161.210	6119.37	10727.60	-9502.18	5362.58	1653117.36	14329393.36	39°27'35.6922"N	80°57'18.0083"W	10910.94	150.562	0.38	0.00	0.38	
16882.00	90.180	160.560	6118.84	10821.60	-9591.00	5393.36	1653148.13	14329304.58	39°27'34.8142"N	80°57'17.6164"W	11003.43	150.649	0.75	-0.30	-0.69	
16977.00	90.460	161.130	6118.31	10916.60	-9680.74	5424.53	1653179.29	14329214.87	39°27'33.9271"N	80°57'17.2196"W	11096.94	150.736	0.67	0.29	0.60	
17072.00	90.770	161.580	6117.29	11011.59	-9770.75	5454.90	1653209.65	14329124.90	39°27'33.0374"N	80°57'16.8330"W	11190.33	150.826	0.58	0.33	0.47	
17167.00	90.310	160.870	6116.40	11106.59	-9860.69	5485.47	1653240.21	14329035.00	39°27'32.1483"N	80°57'16.4437"W	11283.77	150.913	0.89	-0.48	-0.75	
17262.00	90.980	161.780	6115.33	11201.58	-9950.68	5515.89	1653270.61	14328945.04	39°27'31.2587"N	80°57'16.0565"W	11377.21	150.999	1.19	0.71	0.96	
17357.00	90.430	160.810	6114.16	11296.57	-10040.60	5546.51	1653301.22	14328855.16	39°27'30.3699"N	80°57'15.6667"W	11470.72	151.083	1.36	-0.58	-1.23	
17451.00	91.170	160.700	6112.84	11390.56	-10129.28	5577.64	1653332.34	14328766.51	39°27'29.4932"N	80°57'15.2704"W	11563.41	151.161	0.79	0.79	0.10	
17546.00	91.420	161.110	6110.70	11485.53	-10219.03	5608.71	1653363.40	14328676.80	39°27'28.6060"N	80°57'14.8748"W	11657.03	151.240	0.51	0.26	0.43	
17641.00	90.980	160.550	6108.71	11580.51	-10308.74	5639.90	1653394.58	14328587.12	39°27'27.7192"N	80°57'14.4778"W	11750.69	151.317	0.75	-0.46	-0.59	
17735.00	90.890	161.200	6107.17	11674.49	-10397.54	5670.70	1653425.36	14328498.36	39°27'26.8414"N	80°57'14.0858"W	11843.38	151.392	0.70	-0.10	0.69	
17830.00	90.980	160.720	6105.62	11769.48	-10487.33	5701.68	1653456.33	14328408.60	39°27'25.9538"N	80°57'13.6913"W	11937.06	151.468	0.51	0.09	-0.51	
17925.00	91.540	162.160	6103.54	11864.45	-10577.37	5731.91	1653486.55	14328318.61	39°27'25.0638"N	80°57'13.3065"W	12030.61	151.547	1.63	0.59	1.52	
18020.00	90.280	160.730	6102.03	11959.44	-10667.41	5762.14	1653516.76	14328228.60	39°27'24.1737"N	80°57'12.9218"W	12124.19	151.624	2.01	-1.33	-1.51	
18114.00	90.860	160.540	6101.09	12053.43	-10756.09	5793.31	1653547.92	14328139.95	39°27'23.2971"N	80°57'12.5250"W	12217.03	151.693	0.65	0.62	-0.20	
18209.00	90.980	161.100	6099.57	12148.41	-10845.80	5824.51	1653579.11	14328050.27	39°27'22.4103"N	80°57'12.1277"W	12310.83	151.763	0.60	0.13	0.59	
18304.00	90.430	160.180	6098.40	12243.40	-10935.42	5856.00	1653610.59	14327960.69	39°27'21.5243"N	80°57'11.7269"W	12404.69	151.831	1.13	-0.58	-0.97	
18398.00	89.820	160.400	6098.19	12337.39	-11023.92	5887.70	1653642.28	14327872.23	39°27'20.6496"N	80°57'11.3233"W	12497.67	151.894	0.69	-0.65	0.23	
18493.00	89.780	160.480	6098.52	12432.39	-11113.43	5919.51	1653674.07	14327782.75	39°27'19.7647"N	80°57'10.9184"W	12591.62	151.958	0.09	-0.04	0.08	
18587.00	89.780	160.390	6098.88	12526.38	-11202.01	5950.99	1653705.54	14327694.22	39°27'18.8891"N	80°57'10.5177"W	12684.60	152.021	0.10	0.00	-0.10	
18682.00	90.120	161.390	6098.97	12621.38	-11291.77	5982.09	1653736.62	14327604.49	39°27'18.0018"N	80°57'10.1218"W	12778.48	152.087	1.11	0.36	1.05	
18776.00	89.290	161.200	6099.45	12715.38	-11380.80	6012.23	1653766.76	14327515.49	39°27'17.1217"N	80°57'9.7381"W	12871.27	152.153	0.91	-0.88	-0.20	
18871.00	89.110	160.960	6100.78	12810.37	-11470.66	6043.03	1653797.54	14327425.67	39°27'16.2334"N	80°57'9.3460"W	12965.12	152.219	0.32	-0.19	-0.25	
18966.00	89.050	160.660	6102.30	12905.35	-11560.37	6074.26	1653828.76	14327336.00	39°27'15.3466"N	80°57'8.9486"W	13059.05	152.281	0.32	-0.06	-0.32	
19060.00	89.230	160.930	6103.71	12999.34	-11649.13	6105.17	1653859.66	14327247.27	39°27'14.4692"N	80°57'8.5551"W	13152.01	152.341	0.35	0.19	0.29	
19155.00	89.540	161.200	6104.73	13094.33	-11738.98	6136.00	1653890.47	14327157.46	39°27'13.5810"N	80°57'8.1627"W	13245.91	152.404	0.43	0.33	0.28	
19250.00	88.280	160.540	6106.54	13189.31	-11828.72	6167.13	1653921.59	14327067.76	39°27'12.6939"N	80°57'7.7665"W	13339.87	152.464	1.50	-1.33	-0.69	



Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Fleetwood Unit 2H
Field	Tyler	API	47-095-02731-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 2H AWB
Slot	Slot #06		

WELLPATH DATA (215 stations) † = interpolated, ‡ = extrapolated station																
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
19345.00	88.580	161.120	6109.14	13284.28	-11918.42	6198.31	1653952.76	14326978.09	39°27'11.8072"N	80°57'7.3696"W	13433.83	152.523	0.69	0.32	0.61	
19439.00	88.460	161.240	6111.57	13378.25	-12007.36	6228.62	1653983.06	14326889.19	39°27'10.9280"N	80°57'6.9837"W	13526.73	152.583	0.18	-0.13	0.13	
19534.00	88.000	160.680	6114.51	13473.20	-12097.12	6259.60	1654014.02	14326799.46	39°27'10.0407"N	80°57'6.5894"W	13620.68	152.641	0.76	-0.48	-0.59	
19629.00	88.520	161.320	6117.39	13568.16	-12186.90	6290.51	1654044.93	14326709.72	39°27'9.1532"N	80°57'6.1960"W	13714.63	152.699	0.87	0.55	0.67	
19657.00‡	88.520	161.320	6118.11	13596.15	-12213.42	6299.48	1654053.89	14326683.21	39°27'8.8911"N	80°57'6.0818"W	13742.31	152.716	0.00	0.00	0.00	Projected MD at TD: 19657'

HOLE & CASING SECTIONS - Ref Wellbore: Fleetwood Unit 2H AWB Ref Wellpath: Fleetwood Unit 2H AWP Proj: 19657'										
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]	
20in Conductor	30.00	110.00	80.00	30.00	110.00	0.00	0.00	0.09	0.14	
17.5in Open Hole	110.00	412.00	302.00	110.00	411.99	0.09	0.14	0.71	-1.19	
13.375in Casing Surface	30.00	392.00	362.00	30.00	391.99	0.00	0.00	0.56	-1.19	
12.25in Open Hole	412.00	2752.00	2340.00	411.99	2596.32	0.71	-1.19	247.65	728.91	
9.625in Casing Intermediate	30.00	2695.00	2665.00	30.00	2544.11	0.00	0.00	240.38	707.23	
8.75in Open Hole	2752.00	4913.00	2161.00	2596.32	4627.51	247.65	728.91	401.30	1439.34	
8.5in Open Hole	4913.00	19657.00	14744.00	4627.51	6118.11	401.30	1439.34	-12213.42	6299.48	
5.5in Casing Production	30.00	19657.00	19627.00	30.00	6118.11	0.00	0.00	-12213.42	6299.48	



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Fleetwood Unit 2H AWP Proj: 19657'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Fleetwood Unit 2H
Field	Tyler	API	47-095-02731-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 2H AWB
Slot	Slot #06		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Fleetwood Unit 2H POE Rev-2	6055.00	93.92	2096.83	1649852.93	14338985.60	39°29'10.5484"N	80°57'59.5993"W	point
Fleetwood Unit 2H BHL Permit	6095.00	-12349.40	6361.49	1654115.87	14326547.28	39°27'7.5467"N	80°57'5.2923"W	point
Fleetwood Unit 2H BHL Rev-3	6095.00	-12196.13	6308.95	1654063.36	14326700.50	39°27'9.0619"N	80°57'5.9609"W	point
Fleetwood Unit 2H LP Rev-2	6095.00	-129.33	2173.35	1649929.41	14338762.44	39°29'8.3416"N	80°57'58.6244"W	point
Fleetwood Unit 2H 50' L/R Hard Line Rev-3	6500.00	-6051.11	4202.89	1651958.14	14332843.05	39°28'9.8061"N	80°57'32.7736"W	rectangle
	2D Rectangle 12991.8 x 100.							

WELLPATH COMPOSITION - Ref Wellbore: Fleetwood Unit 2H AWB Ref Wellpath: Fleetwood Unit 2H AWP Proj: 19657'						
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date	
30.00	320.00	Gyrodata 2015 - GC+WIR+DPIPE	01 Gyrodata MS Gyro <17-1/2"> (100'-320')	Fleetwood Unit 2H AWB	14/May/2021	
320.00	2658.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02 APS EM <12-1/4"> (320')(507'-2658')	Fleetwood Unit 2H AWB	14/May/2021	
2658.00	4838.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <8-3/4"> (2658')(2752'-4838')	Fleetwood Unit 2H AWB	14/May/2021	
4838.00	19657.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04 BH AT Curve <8-1/2"> (4838')(4888'-19629')	Fleetwood Unit 2H AWB	14/May/2021	



Actual Wellpath Report
Fleetwood Unit 2H AWP Proj: 19657'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Fleetwood Unit 2H
Field	Tyler	API	47-095-02731-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 2H AWB
Slot	Slot #06		

COMMENTS
<p>Wellpath general comments API: 47-095-02731-0000 BH Job #: 110887509 Rig: H&P 519 Duration: 5/15/2021-5/22/2021 Gyrodatta MS Gyro <17-1/2"> (100'-320') APS EM <12-1/4"> (320')(507'-2658') APS EM <8-3/4"> (2658')(2752'-4838') BH AT Curve <8-1/2"> (4838')(4888'-19629') Sycamore: 6279' MD Middlesex: 6438' MD Burkett: 6609' MD Marcellus POE: 6681' MD Projected MD at TD: 19657'</p>